



IFWO

## RAW SEQUENCE LISTING

DATE: 07/26/2004

PATENT APPLICATION: US/10/779,718A

TIME: 15:04:34

Input Set : A:\BRUNE SEQUENCE LISTING.txt

Output Set: N:\CRF4\07262004\J779718A.raw

3 <110> APPLICANT: BRUNE, Martin Hermann Klemens  
 5 <120> TITLE OF INVENTION: ASSAYS FOR NUCLEOSIDE DIPHOSPHATES AND TRIPHOSPHATES  
 7 <130> FILE REFERENCE: 2004-0248/WMC/01779  
 9 <140> CURRENT APPLICATION NUMBER: 10/779,718A  
 10 <141> CURRENT FILING DATE: 2004-02-18  
 12 <150> PRIOR APPLICATION NUMBER: 09/937,296  
 13 <151> PRIOR FILING DATE: 2001-09-25  
 15 <150> PRIOR APPLICATION NUMBER: PCT/GB00/01740  
 16 <151> PRIOR FILING DATE: 2000-05-05  
 18 <160> NUMBER OF SEQ ID NOS: 2  
 20 <170> SOFTWARE: PatentIn Ver. 2.0  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 145  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: Myxococcus xanthus  
 27 <400> SEQUENCE: 1  
 28 Met Ala Ile Glu Arg Thr Leu Ser Ile Ile Lys Pro Asp Gly Leu Glu  
 29 1 5 10 15  
 31 Lys Gly Val Ile Gly Lys Ile Ile Ser Arg Phe Glu Glu Lys Gly Leu  
 32 20 25 30  
 34 Lys Pro Val Ala Ile Arg Leu Gln His Leu Ser Gln Ala Gln Ala Glu  
 35 35 40 45  
 37 Gly Phe Tyr Ala Val His Lys Ala Arg Pro Phe Phe Lys Asp Leu Val  
 38 50 55 60  
 40 Gln Phe Met Ile Ser Gly Pro Val Val Leu Met Val Leu Glu Gly Glu  
 41 65 70 75 80  
 43 Asn Ala Val Leu Ala Asn Arg Asp Ile Met Gly Ala Thr Asn Pro Ala  
 44 85 90 95  
 46 Gln Ala Ala Glu Gly Thr Ile Arg Lys Asp Phe Ala Thr Ser Ile Asp  
 47 100 105 110  
 49 Lys Asn Thr Val His Gly Ser Asp Ser Leu Glu Asn Ala Lys Ile Glu  
 50 115 120 125  
 52 Ile Ala Tyr Phe Phe Arg Glu Thr Glu Ile His Ser Tyr Pro Tyr Gln  
 53 130 135 140  
 55 Lys  
 56 145  
 59 <210> SEQ ID NO: 2  
 60 <211> LENGTH: 145  
 61 <212> TYPE: PRT  
 62 <213> ORGANISM: Myxococcus xanthus  
 65 <220> FEATURE:  
 66 <221> NAME/KEY: mutagen  
 67 <222> LOCATION: 112



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68 &lt;223&gt; OTHER INFORMATION: native Asp replaced with Cys

70 &lt;400&gt; SEQUENCE: 2

71 Met Ala Ile Glu Arg Thr Leu Ser Ile Ile Lys Pro Asp Gly Leu Glu  
72 1 5 10 15  
74 Lys Gly Val Ile Gly Lys Ile Ile Ser Arg Phe Glu Glu Lys Gly Leu  
75 20 25 30  
77 Lys Pro Val Ala Ile Arg Leu Gln His Leu Ser Gln Ala Gln Ala Glu  
78 35 40 45  
80 Gly Phe Tyr Ala Val His Lys Ala Arg Pro Phe Phe Lys Asp Leu Val  
81 50 55 60  
83 Gln Phe Met Ile Ser Gly Pro Val Val Leu Met Val Leu Glu Gly Glu  
84 65 70 75 80  
86 Asn Ala Val Leu Ala Asn Arg Asp Ile Met Gly Ala Thr Asn Pro Ala  
87 85 90 95  
89 Gln Ala Ala Glu Gly Thr Ile Arg Lys Asp Phe Ala Thr Ser Ile Cys  
90 100 105 110  
92 Lys Asn Thr Val His Gly Ser Asp Ser Leu Glu Asn Ala Lys Ile Glu  
93 115 120 125  
95 Ile Ala Tyr Phe Phe Arg Glu Thr Glu Ile His Ser Tyr Pro Tyr Gln  
96 130 135 140  
98 Lys  
99 145

**VERIFICATION SUMMARY**

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